C2350-1 4/11/83

FOCUS: PREPARATION & HANDLING Starts on Page 4

COAL INDUSTRY NEWS

Coal's National Newspaper

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Taking Good, Close Look at Coal Preparation

JUDGING THICKNESS OF THE CAKE in the clean coal recovery filter at the Mary Lee coal preparation plant near Birmingham, Ala., are Ken Smith, left, of Calgon Corp. and wash operator Bud Aaron. Cooperation from mining to the handling; equipment, water treatment and plant management remains the key to successful coal preparation and handling. For a closer look, turn to focus on page 4.

NEWS ROUNDUP

Oil prices collapsing even to $26 for the OPEC benchmark would have only a minor impact on coal, maintain energy economists at Chase Manhattan Bank. In a study titled "The World Coal Outlook to the Year 2000" released last week, they saw **more importance in the level of world economic activity associated with such a price collapse.** Collapsing oil prices were expected to slow down that activity, they said, with projected 1985 seaborne coal trade consequently dropping from 231 million metric tons in 1985 under the high-oil price scenario to 190 million.

* * *

An inquiry into **the loss of the coal ship Marine Crewman that took 33 lives** was launched in Norfolk, Va., by a joint investigative panel of Coast Guard officers and representatives of the National Marine Transportation Board. Owned by Marine Transport Coal Co. of New York, the ship was making its weekly trip Feb. 12 up the East Coast from Hampton Roads to Somerset, Mass., with 27,000 tons of coal when it went down in a violent gale. Only three survivors were taken from the rough seas by Coast Guard and Navy rescuers.

* * *

The nomination of **J.J. Simmons III to be undersecretary of interior breezed through the Senate Energy Committee** this past Tuesday by a 19-0 vote. A former Amerada Hess executive, Simmons will succeed Donald P. Hodel who became energy secretary. Sources say **the nomination will reach the Sen-**

(Continued on page 2)

American Coal Foundation Pleased With Early Responses to Promotion

By Gene Smith

NEW YORK — "I'm excited and the board is, too."

That's the way Ben Lusk, executive director of the American Coal Foundation, reacts to questions as to the success of the group's million-dollar advertising campaign aimed at promoting the use of coal.

He indicated he has no doubts that the drive — built on the theme "Rediscover coal. The modern energy miracle that's old as the hills" — will be continued and may even be expanded.

"The next step will be raise another million dollars so that we can start up again in September," Lusk told *Coal Industry News*. *"I think we'll continue with the emphasis still on television, but that'll be up to our operating committee. TV has proven itself. For just about a million dollars, we've had a phenomenal response."*

150 to 200 Calls Daily

Lusk reported that calls to the 800-number given on TV have been running at "a rate of 150 to 200 a day and we've gotten a lot of mail, probably 50 to 100 requests a day for our information booklet."

The campaign got under way at the height of the college football bowl season with the initial spot running on Dec. 29 during the telecast of the Liberty Bowl from Memphis via the Entertainment and Sports Programming Network (ESPN).

"The really amazing thing is that none of the calls — maybe one or two out of a thousand — has been negative," Lusk observed.

He acknowledged that most of the inquires have been for information about possible home use of coal but he attributed that to the combination of the use of a detergent-like package dominating the scene and the time of the year when heating bills are highest.

The calls and letters have been coming from all over, according to the coal foundation director. He was particularly pleased that many were from non-coal producing regions, such as the Northeast; the Far West, including California, and the Deep South. ("I even took one call from a man who is building a home in Florida and he wanted information on putting in a coal bin. Why he'd want a coal furnace in Florida is somewhat far-fetched though," Lusk added in an aside.)

Those who respond to the ad, either the TV or print version, are sent a fact book on coal and their names and addresses are entered into a computerized list for future reference.

The campaign, developed by the Pittsburgh office of Burson Marsteller, is concentrated on TV spots during sports telecasts. It is scheduled to run till the end of March. There is a schedule of 10 print ads in Gannett's national newspaper, *U.S.A. Today*. Lusk indicated that he was particularly pleased with the response to a coupon that appeared in various editions of that newspaper.

Canada and U.S. Remain Split on Acid Rain Impact

By Steve Marcy

WASHINGTON — A joint U.S.-Canadian team of scientists trying to resolve differences over acid rain may have instead deepened the dispute.

The Canadian government released an exhaustive three-volume report last week of the scientists' findings, with the U.S. and Canadian teams clearly split over how severely acid rain affects aquatic life.

The Canadians contend that acid deposition reduced to the rate of 20 kilograms per hectare per year — about 18 pounds per acre — will protect all but the most sensitive aquatic eco-systems. The United States agrees no effects have been found at levels below 20 kilograms per hectare and concludes that some effects are noticeable at loadings between 20 and 30 kilograms per year, with long-term damage setting in at loadings above 30 kilograms

But the U.S. team says that because no precise cause-and-effect relationship can be established between a potential source and downwind pollution, action is premature. Also, says the U.S. team, the Canadians may have underestimated the effects of local surces of dry deposition in the Northeast on area streams and rivers.

The Key Question

"The question is," says George Rejhon, environmental counselor of the Canadian Embassy here, "do those facts, as they are set out (in the report), allow you to reach the conclusion that loading reductions below 20 kilograms per year is what is needed?"

The Candian answer is yes, and the way to achieve those reductions in acid deposition is to reduce sulfur dioxide emissions,

(Continued on page 2)

INSIDE

A NUCLEAR FACILITY proposed by the Britain's national electric company is the latest government headache for miners there and their union leader, Arthur Scargill. Others are protesting the proposed power plant as well, however. **British Report on page 2.**

THE PROPOSED AQUATRAIN that would move western coal to power plants and coastal ports will be examined at soon-to-be-scheduled Bureau of Reclamation hearings. That and other **Reports from our Correspondents on page 3.**

SPRAGUE ENERGY CO. is poised for a rebound in northeastern coal markets, with expectations of expanded industrial use, reports Gene Smith in a **Company Profile on page 6.**

Coal Issues Fare Well Amid Oil Price Slump

NEW YORK — Coal stocks in *Coal Industry News'* list of 79 coal-related issues have fared better than might have been expected in light of the declining oil prices.

Thirteen of the coal company issues out of the 35 listed were able to post gains in the week ended February 18. They ranged from fractional gains of one-eighth each for Kerr-McGee, Mapco, Shell Oil, Utah Power and Light and Westmoreland to as much as a point for Eastern Gas and Fuel and General Electric. In general, those companies that are basically in oil were off in market trading due to the present mess among OPEC nations.

Those that are mostly coal-oriented such as Eastern Gas and Fuel, North American Coal, Pacific Power and Light, Utah Power and Light and Westmoreland, seemed to resist the downward pressure. The strength in General Electric was traced to the recommendation of its board that the stock be split two-for-one and the dividend increased if the action is approved. It has been a standout performer in recent sessions.

Equipment suppliers remained on the fence, with 13 gainers and two unchanged out of *Coal Industry News's* list of 30. There seemed to be little or no reason for this standoff, other than just moving along in step with the market.

In this particular week's trading, the Dow Jones Industrial Average gained 6.32 to close at 1092.82. This represented a gain of 0.58 percent in the week's trading as the market tried in vain to close above the psychological barrier of 1100.

Four of the list's 7 transportation issues closed higher during the week in concert with the lofty level of the Dow Jones Transportation Index. That carefully-watched indicator added a slight 0.76 point in the week ended Feb. 18 to close at 480.70, a gain of 0.16 percent.

Two on the user list of 7 issues — Inland Steel, up 3/8 and Kaiser Steel, up 3/4 — posted gains in the same trading week. Kaiser's improvement was traced to "friendly" negotiations with the group that is seeking a stronger position in the ailing company but indicated no intention of trying any strong arm tactics to insure its moves.

After the long Presidents' Day weekend, the market got off to a bad start in trading Feb. 22. The Dow Jones average was off as much as 14 points near the close with the decline traced to uncertainties over oil prices and the future of OPEC in the coming months. Analysts turned bearish on those issues in light of the rapidly developing price cuts that threatened to touch off a real price war among OPEC members and could threaten world economics.

February 18, 1983

company	sales 100s	high	wks. low	last	net chg
Coal Companies					
Amax	6073	25⅛	23½	24	-1¼
AEIPw/a	13816	18¼	17¾	18	-¼
AshlOil/b	915	28½	27⅝	27⅞	-⅛
BethStl/c	3149	21⅛	20¼	20½	-½
Boeing/d	13810	37	35⅜	35¾	-1¼
DuPont/e	9401	41½	39½	39¾	-1⅛
EastGF	1977	21⅛	20⅛	21	+1
ElPaso	2965	28¾	17⅜	17½	-1¼
EqtLf/f	...	...	...	...	...
Exxon/g	43767	30	29⅛	29½	-½
GenEl/h	11809	w104⅞	100⅜	103¾	+1
Grace/i	5661	42⅞	40¼	40⅜	-1⅜
GulfOi/u	30057	34¼	32½	33⅜	+¾
Hanna/j	x2093	21½	19¼	20	-⅜
KerrMc	4213	33	31	31⅝	+⅛
Mapco	2697	23¼	22½	23	+⅛
Mobil	22084	28⅞	26⅞	27⅜	-⅝
MonPw/k	2700	26¼	25⅛	25½	-½
Newmt/l	x2954	58⅝	55½	56⅛	-1½
NACoal	157	29¼	27¾	29	+¼
OcciPet/m	8965	19¾	19⅛	19¾	+¼
PacPw/n	2286	21⅞	21⅛	21½	+⅜
PhilPet	11840	32¾	30⅝	31	-1
Pittstn	3043	14¾	14	14⅛	-⅜
ShellO	2655	40⅛	39	39⅞	+⅛
StOilCl/o	19177	35¾	34⅛	35⅜	+¾
StdOOh/p	11270	w42⅜	40¾	41⅜	-⅛
SunCo	1705	32½	31⅛	31½	-¾
Texaco	16001	32⅜	31¼	32	-¼
TexUtil	25684	23¼	22¼	23⅛	+¼
USSteel	6702	22¾	22	22⅝	-⅛
UtaPL	2942	22⅝	22⅛	22½	+⅛
WalJm	2348	37⅛	35	35	-1⅛
West	499	20⅛	18¾	19⅞	+⅛
William/q	3899	20⅝	20⅛	20¼	-⅜
Suppliers					
ACF	1941	33¾	32¾	33⅛	-¾
AllisCh	1474	12½	11¾	12½	+½
BucyEr	1687	16	15½	16	...
CatrpT	10366	46⅝	44⅝	44⅞	-⅝
Chrysl r	12528	17⅛	16	16	-¼
CmbEn	3339	w39½	38	39⅛	+1
DowCh	13674	30⅛	29⅛	29⅝	-½
Dravo	787	14¼	13	13½	+⅜
Dresr/r	8044	19¼	17¾	18¼	-⅜
FMC	1203	36⅝	35⅛	36	-¼
Firest	4711	19	17⅝	18⅛	-¾
Fluor/s	3783	23¾	22⅞	22⅞	...
FordM	20041	w43	39½	40⅝	...
GTE/t	x15491	41⅜	39¼	39⅜	-½
GMot	16732	64⅜	61⅜	61¾	-¾
GTire	1089	34½	32⅛	32¾	-1
Gdrich	4394	35	32⅛	34¼	+2
Goodyr	38101	30⅛	28½	30	+1
IngerR	1827	46⅜	45	45½	+⅛
IntHarv	7994	7	6½	6⅞	+¼
JoyMfg	2238	24¾	23⅜	24¾	+1
Kenmt	401	29	27½	28½	+⅞
McDnD	8928	w49⅞	48⅛	49⅝	+1½
NMineS	184	9	7¾	8	-1
Penwlt	1844	w36¼	36	+1	
RshCot	708	16¾	15½	16½	+¾
Tenneco	10174	35⅝	34⅛	34⅞	+⅝
UnCarb	5221	60	57⅛	59	-¾
WestgE	11533	47⅜	43¾	44⅝	-2⅜
WheelF	N.A.	N.A.	N.A.	N.A.	N.A.
Transportation					
BrlNth	7118	w71½	68¾	69½	...
CSX	x4684	56⅜	54½	55⅛	+⅛
CNWst	826	w28¾	26¾	28½	+1⅛
ICInd	1241	w40⅝	38⅞	39⅝	+½
NorSo	7021	55⅞	53¼	54⅞	-¾
SFeInd	7869	23⅝	22	22½	-1
UnPac	5700	52	50	51⅝	+1⅛
Users					
Alcoa	5843	33¾	31⅝	32¼	-¾
InldStl	3226	29	28	28⅜	+⅜
KaisCe	1057	25⅜	24½	24⅞	-¼
KaisrSt	3449	36½	33¾	35½	+¾
NatlStl	987	21¾	19½	20	-1⅜
RepStl	x2458	21	20⅛	20¼	-⅜
WhelPit	199	19	17½	17½	-1

a/owns Central Ohio Coal, b/owns 50 percent of Arch Mineral, c/owns Bethlehem Mines, d/owns 15 percent of Peabody Holding Co., e/Owns Conoco and Consolidation Coal, f/Owns 5 percent of Peabody Holding Co., g/owns Exxon Coal, h/owns Utah International, i/owns 50 percent of Colowyo Coal, j/owns 50 percent of Colowyo Coal, k/owns Western Energy, l/owns 27.5 percent of Peabody Holding, m/owns Island Creek Coal Co., n/owns Nerco, o/owns 20 percent of Amax, p/owns Old Ben Coal Co., q/owns 27.5 percent of Peabody Holding Co., r/owns Jeffrey Mining, s/owns 10 percent of Peabody Holding Co., t/owns American Mine Tool, u/owns Pittsburg and Midway Coal Mining Co., w/new 52-week high, x/ex-dividend and sales in full.

Miller Heads Manfacturers Unit of AMC

WASHINGTON — Richard G. Miller Jr., president of Roberts and Schaefer Co. of Chicago, was elected chairman of the American Mining Congress' manufacturers division during its annual meeting.

It is the second time Miller has held this AMC post. He was previously manufacturers division chairman in 1974.

He succeeds C.A. "Tink" Campbell Jr., president of Goodman Equipment Corp., who remains as a governor.

An Illinois native, Miller attended Marshall University in Huntington, W.Va., where he received a Beachelor's of Science degree. After a four-year stint in the Navy, he joined Roberts and Schaefer, an engineering and construction firm that builds coal preparation plants, in 1946 and became president and chief executive officer in 1963.

When Roberts and Schaefer merged with Elgin National Watch Co. in 1969, Miller became vice president and director of the resulting company, Elgin National INdustries Inc. In 1972, he was elected president and chief executive officer of Elgin while retaining his posts at Roberts and Schaefer.

A member of the American Institute of Mechanical Engineers, Miller has served on AMC's board of governors since 1964.

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FACTS & FIGURES | Domestic

	WEEKLY 2/12/83	2/5/83	2/13/82
Production			
Bituminous, recent week	14,348	14,307	16,442
Bituminous, year to date	**86,596**	**96,687**	—
Anthracite, recent week	74	74	122
Anthracite, year to date	**457**	**699**	—
Railroad carloadings			
Bituminous, recent week	95,741	95,491	111,143
Bituminous, year to date	**485,528**	**651,712**	—
Anthracite, recent week	147	142	138
Anthracite, year to date	**416**	**878**	—

Production data in thousands of short tons.
Source: U.S. Dept of Energy, Energy Information Administration—Weekly Coal Report.

	WEEKLY 2/12/83	2/5/83	2/13/82
Production by states, bituminous and lignite			
Eastern			
Alabama	452	451	535
Georgia	—	—	—
Illinois	1,131	1,128	1,220
Indiana	525	523	601
Kentucky:			
Eastern	1,883	1,878	2,159
Western	665	663	826
Total, Ky.	**2,548**	**2,541**	**2,985**
Maryland	66	65	81
Ohio	660	658	770
Pennsylvania	1,286	1,283	1,652
Tennessee	133	132	188
Virginia	634	632	826
West Virginia	2,297	2,291	2,403
Total, Eastern	**9,732**	**9,704**	**11,261**
Western			
Alaska	14	14	15
Arizona	201	200	207
Arkansas	4	4	4
Colorado	321	320	375
Iowa	9	9	11
Kansas	15	15	15
Missouri	86	87	103
Montana	474	473	638
New Mexico	315	314	375
North Dakota	318	317	343
Oklahoma	92	92	105
Texas	592	591	620
Utah	293	292	282
Washington	72	72	98
Wyoming	1,806	1,803	1,990
Total Western	**4,616**	**4,603**	**5,181**
Total, United States	**14,348**	**14,307**	**16,442**

In short tons (000).
Source: U.S. Dept of Energy, Energy Information administration—Weekly Coal Reports.

	MONTHLY 12/82	11/82	12/81
Coal Labor			
All employees			
Coal Mining	206.0	217.5	252.2
Bituminous & Lignite	202.8	214.2	248.7
Production employees			
Coal mining	164.7	175.6	209.3
Bituminous & Lignite	161.8	172.7	206.2
Hours, weekly average			
Coal mining	39.5	38.3	42.7
Bituminous & Lignite	39.5	38.3	42.7
Earnings, hourly average			
Coal mining	13.19	13.10	12.38
Bituminous & Lignite	13.24	13.15	12.41
Earnings, weekly average			
Coal mining	521.01	501.73	528.63
Bituminous & Lignite	522.96	503.65	529.91

Source: U.S. Dept. of Labor, Bureau of Labor Statistics—Employment and Earnings.

	MONTHLY 11/82	10/82	11/81
Bituminous and Lignite			
Consumption			
Electric power utilities	47,699	46,248	46,873
Coal user stocks of coal			
Electric power utilities	171,335	170,181	156,360
Anthracite			
Consumption			
Electric power utilities	100	81	141
Coal user stocks of coal			
Electric power utilities	5,060	5,992	5,548

Note: Data give in thousands of short tons.
Source: U.S. Dept. of Energy Information Administration—Weekly Coal Report.

	11/82	10/82	11/81
Coal User Production			
Major district users:			
Electric utilities			
(Mil Kwh.)			
Monthly	95,547	93,779	94,841

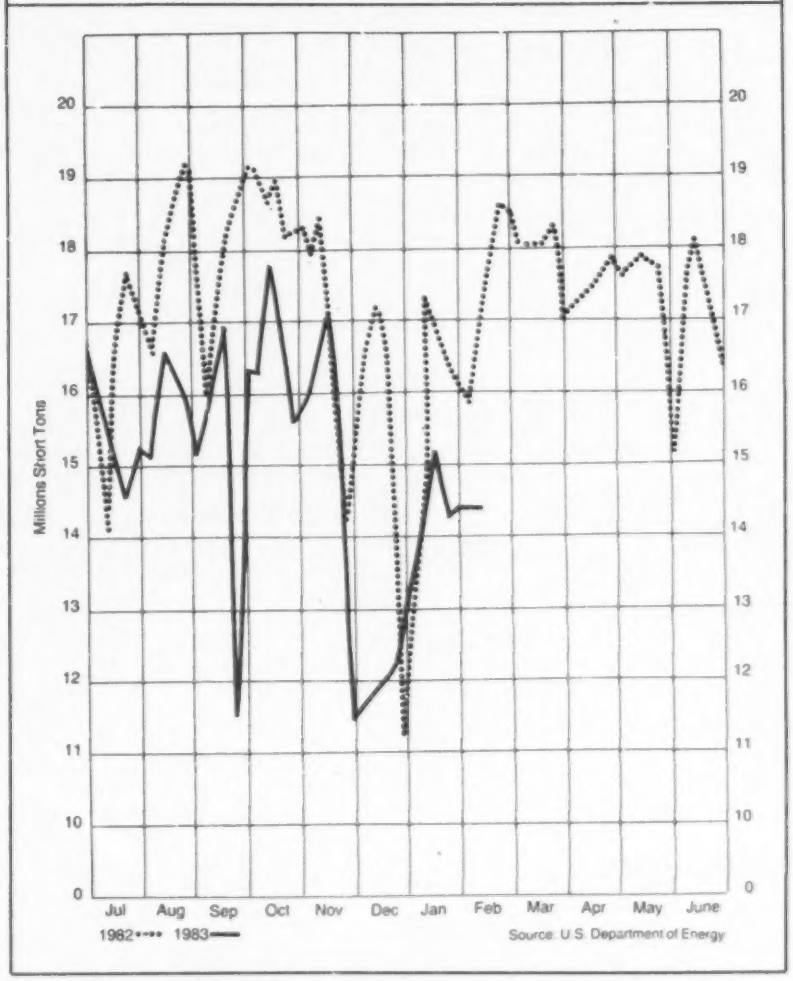
Price Indexes	MONTHLY 1/83	12/82	9/82
Bituminous Coal and Lignite	103.6	105.0	104.7
Primary Products	101.8	103.5	103.8
Prepared	103.4	104.7	103.9
Steam electric utilities	104.4	105.9	104.9
North Appalachia	107.1	106.1	103.2
Spot	N.A.	N.A.	116.4
Contract	100.8	106.3	101.4
South Appalachia			
Contract	N.A.	N.A.	99.0
Midwest	108.8	107.8	108.0
Contract	110.0	108.9	109.1
West	109.1	110.0	108.6
Contract	109.1	110.0	108.6
Metallurgical/coke producer	101.1	101.7	101.4
High volatile	99.9	100.2	100.1
North Appalachia	97.2	97.2	97.2
Contract	97.2	N.A.	97.2
South Appalachia			
Contract	101.4	102.0	101.7
West	99.0	99.0	100.7
Low volatile	101.2	102.8	101.9
North Appalachia			
Contract	N.A.	99.5	99.8
South Appalachia			
Contract	N.A.	105.5	103.5
All other industrial	99.6	100.5	99.1
North Appalachia			
Contract	92.4	91.2	90.6
Midwest	99.3	102.0	100.2
Contract	N.A.	N.A.	99.4
Unprepared (raw)	96.3	99.2	103.5
For preparation at other establishments	N.A.	N.A.	N.A.
For use without preparation	N.A.	N.A.	N.A.
Anthracite	153.3	154.0	153.8
Primary products	152.0	152.6	152.5
Prepared anthracite shipped	153.9	154.7	154.5
Stove	151.2	151.7	151.1
Chestnut	148.7	151.5	150.9
Pea	160.3	160.3	160.3
Buckwheat no. 1	149.0	149.0	149.0
Buckwheat no. 2	160.8	160.8	160.8
Buckwheat no. 4	143.9	143.9	143.9
Buckwheat no. 5	110.2	112.0	112.0

N.A.—Not Available

Source: Bureau of Labor Statistics, Dept. of Labor.
Note: The Bureau of Labor Statistics has recalibrated its producer price index figures for bituminous and lignite, as well as reorganizing its pricing categories. The new index is based on a compilation of average prices for December, 1981, and that month appears as 100. The former index used June, 1976 prices as its base.

Latest U.S. Production Figures

Estimated Bituminous Coal and Lignite Production



BITUMINOUS COAL and lignite production for the week ended Feb. 12 reached 14.348 million short tons, the Energy Information Administrtion estimated. This was a 41,000-ton, 0.3-percent increase from the previous week. Production for the corresponding week in 1982 was 16.442 million short tons. Production so far in 1983 has reached 86.596 million short tons, a 10.4 percent decline from 1982.

Exports & Imports

	Quantity in short tons 12/82	11/82	12/81	Dollar Value 12/82	11/82	12/81	Avg. Value per short ton 12/82	11/82	12/81
Bituminous coal, low volatile blends to make coke No. 5213110									
Belgium	103,620	192,408	468,822	5,986,098	12,436,106	22,811,735	57.76	64.63	48.65
Brazil	329,061	260,833	434,193	14,443,340	14,465,188	17,899,509	43.89	55.45	41.22
Canada	104,333	387,906	652,854	7,162,882	26,399,452	37,610,753	68.65	68.05	57.60
France	225,273	218,893	706,906	12,702,940	11,175,562	37,928,828	56.38	51.05	53.65
Germany, F.R. (West)	125,745	—	265,898	6,873,353	—	10,835,265	54.66	—	40.74
Italy	715,899	543,308	1,088,193	32,752,442	26,001,417	50,450,041	45.75	47.85	46.36
Japan	777,756	1,315,219	2,558,195	45,882,441	78,643,079	147,810,251	58.99	59.79	57.77
Netherlands	83,830	147,170	260,985	4,863,945	9,257,732	14,903,230	58.02	62.90	57.10
Spain	231,570	223,531	224,512	10,166,975	10,388,575	11,531,326	43.90	46.47	51.36
Sweden	85,084	79,361	83,381	3,714,926	3,704,675	3,441,986	43.66	46.66	41.28
United Kingdom	104,250	—	217,391	5,864,063	—	11,922,133	56.25	—	54.84
Yugoslavia	134,239	76,898	67,694	8,104,512	5,000,060	3,958,919	60.37	65.02	58.48
Total, above	3,020,660	3,445,547	7,029,024	158,517,919	197,471,846	371,103,976	52.47	57.31	52.79
Total, other nations	643,394	524,127	587,957	36,539,284	31,205,801	30,690,249	56.79	59.53	52.19
Total, all nations	**3,664,054**	**3,969,674**	**7,616,981**	**195,057,203**	**228,677,647**	**401,794,225**	**53.23**	**72.72**	**52.74**

	Quantity in short tons 12/82	11/82	12/81	Dollar Value 12/82	11/82	12/81	Avg. Value per short ton 12/82	11/82	12/81
Bituminous coal, others No. 5213120									
Belgium	8,693	131,159	218,072	391,358	4,959,468	8,207,448	45.01	37.81	37.63
Canada	595,532	1,809,983	1,783,786	29,734,911	80,250,571	79,955,096	49.92	49.54	44.82
China, Taiwan	183,148	123,825	346,516	8,357,296	5,301,886	15,229,622	45.63	42.81	43.95
Denmark	49,851	189,870	226,935	1,481,112	10,452,508	13,174,437	29.71	55.08	58.05
Finland	135,739	185,207	62,077	5,743,047	7,658,434	2,815,843	42.30	41.35	45.36
France	507,581	520,446	172,691	21,125,688	22,754,991	7,055,827	41.62	43.72	40.85
Germany, F.R. (West)	99,981	97,340	195,146	5,692,635	6,120,068	11,181,334	56.93	62.87	57.29
Italy	304,125	424,098	215,710	15,199,774	22,191,398	11,350,600	49.97	52.32	52.61
Japan	191,028	143,625	356,771	9,323,637	7,115,678	18,112,814	48.80	49.54	50.76
Netherlands	126,126	175,804	342,712	7,230,356	9,515,151	16,993,061	57.32	54.12	49.58
Spain	310,486	177,370	233,291	12,666,989	7,433,664	11,292,924	40.86	41.91	48.40
Total, above	2,512,290	3,778,727	4,153,707	116,966,793	183,753,817	195,369,006	46.55	48.62	47.03
Total, other nations	292,190	251,072	500,257	13,568,536	10,948,814	25,568,007	46.43	43.60	51.10
Total, all nations	**2,804,480**	**4,029,779**	**4,653,964**	**130,535,329**	**194,702,631**	**220,937,013**	**46.54**	**48.31**	**47.47**
Lignite No. 5213130									
Total, all nations	**317**	**362**	**1,411**	**61,516**	**63,153**	**275,458**	**194.05**	**174.45**	**195.22**
Coal coke for use as fuel No. 5213145									
Total, all nations	**26,510**	**59,774**	**129,999**	**2,547,439**	**3,638,655**	**7,859,970**	**89.35**	**60.87**	**60.50**
Petroleum coke, except calcined No. 5213150									
Canada	79,490	128,802	55,659	1,952,487	4,712,130	3,916,500	24.56	36.58	70.36
Japan	242,157	417,427	128,742	8,221,003	16,696,182	6,474,825	33.94	39.99	50.29
Netherlands	197,552	113,735	75,234	6,505,018	2,569,874	4,556,274	32.92	22.59	60.56
Total, above	519,199	659,964	259,635	16,678,508	23,978,186	14,947,599	32.12	36.33	57.57
Total, other nations	565,578	497,313	445,922	15,277,353	13,808,271	22,745,090	27.01	27.76	51.00
Total, all nations	**1,084,777**	**1,157,277**	**705,557**	**31,955,861**	**37,786,457**	**37,692,689**	**29.45**	**32.65**	**53.42**
Compositions for fuel No. 5213160									
Total, all nations	**243**	**32,681**	**1,067**	**73,626**	**1,037,637**	**86,122**	**302.98**	**31.75**	**80.71**
Anthracite No. 5213170									
Korea Rep. (South)	35,649	37,478	66,902	1,228,920	1,220,600	3,423,032	34.47	32.56	51.16
Total, all nations	**43,186**	**106,603**	**100,553**	**1,673,066**	**[illegible]**	**5,721,688**	**38.74**	**56.79**	**56.90**